

**Listing of Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A multi-layer barrier against wood pests comprising:  
at least one pesticide-releasing layer comprising a polymeric matrix, the pesticide-releasing layer containing at least one pesticide bound within the polymeric matrix; and  
at least one pesticide-retaining layer positioned parallel to the pesticide-releasing layer, the pesticide-retaining layer releasing only minute amounts of the pesticide therethrough such that substantially no pesticide is released from the barrier, the release from the barrier at a rate which is less than 0.4 µg/cm<sup>2</sup>/day, the wood pests being prevented from breaching the barrier.
2. (Previously Presented) The multi-layer barrier of claim 1, wherein the pesticide-retaining layer comprises a coextruded multi-layered barrier film.

**Claim 3 (Cancelled)**

4. (Currently Amended) The multi-layer barrier of claim 1, wherein the at least one pesticide-retaining ~~layers~~ are layer is made from a polymeric material, the polymeric material allowing substantially no release of the pesticide from the barrier.
5. (Original) The multi-layer barrier of claim 1, wherein the pesticide-releasing layer comprises:  
a polymeric matrix; and  
a pesticide in the matrix.
6. (Currently Amended) The multi-layer barrier of claim 5, wherein the pesticide is selected from pyrethroids, ~~neonicotinoids~~, isofenphos, fenvaleate, pyrethrin, and combinations thereof.
7. (Currently Amended) The multi-layer barrier of claim 5, wherein the pesticide is selected from tefluthrin, permethrin, lambda cyhalothrin, ~~resmethrin~~, deltamethrin, cypermethrin, ~~cyphenothrin~~,

cyfluthrin, deltamethrin, chlорpyrifos, fenoxycarb, diazinon, dichlorophen, methyl isothiocyanate, pentachlorophenol, tralomethrin, chlorsulfapyr, fipronil, neonicotinoids, and combinations thereof.

8. (Original) The multi-layer barrier of claim 5, wherein the pesticide is lambda cyhalothrin.
9. (Original) The multi-layer barrier of claim 5, wherein the polymeric matrix is made from low density polyethylene.

Claims 10-11 (Cancelled)

12. (Currently Amended) The multi-layer barrier of claim 1 further comprising at least one strength and resistance layer ~~inside the pesticide retaining layers~~ for providing strength and puncture resistance to the barrier.

13. (Original) The multi-layer barrier of claim 12, wherein the strength and resistance layer is made of a polymeric scrim.

Claim 14 (Cancelled)

15. (Original) The multi-layer barrier of claim 1, wherein the pesticide is effective against termites, wood-boring ants, and wood-boring insects.

16. (Original) The multi-layer barrier of claim 1, wherein the barrier is shaped to surround an area or a structure.

17. (Original) The multi-layer barrier of claim 1, wherein the release rate of the pesticide from the barrier is less than 0.4  $\mu\text{g}/\text{cm}^2/\text{day}$ .

18. (Original) The multi-layer barrier of claim 5, wherein the matrix comprises a polymer and further comprises a carrier to adjust the release rate of the pesticide from the matrix.

19. (Withdrawn) A method of making a premix for an active layer of barrier film for use in preventing a wood-boring pest from accessing an area or a wood-containing structure, the method comprising the steps of:

- (a) mixing carbon black with particles of a polymer to form a mixture; and
- (b) adding one or more pesticides in a liquid form to the mixture to form a friable premix.

Claims 20-25 (Cancelled)

26. (Currently Amended) The barrier ~~film~~ of claim ~~2~~ 25, wherein the coextruded multi-layered barrier film consists of low density polyethylene, vinylidene chloride/vinyl chloride copolymer, ethylene/vinyl acetate copolymer, and silicon dioxide.

Claims 27-33 (Cancelled)

34. (Currently Amended) The barrier ~~film~~ of claim ~~5~~ 20, wherein ~~at least one of the pesticide pesticides in the sixth layer~~ is present in an amount such that its supply is not exhausted before approximately 10 years.

35. (Currently Amended) The barrier ~~film~~ of claim ~~5~~ 20, wherein ~~at least one of the pesticide pesticides in the sixth layer~~ is present in an amount of at least 5% ~~of the sixth layer~~ by weight.

36. (Currently Amended) The barrier ~~film~~ of claim ~~5~~ 20, wherein ~~at least one of the pesticide pesticides in the sixth layer~~ is present in an amount of at least 10% ~~of the sixth layer~~ by weight.

Claims 37-38 (Cancelled)

39. (Currently Amended) The barrier ~~film~~ of claim ~~5~~ 20, wherein ~~at least one of the pesticide pesticides in the sixth layer~~ is a low volatility bioactive chemical pesticide.

Claims 40-42 (Cancelled)

43. (Currently Amended) The barrier film of claim 18 20, wherein the ~~sixth layer is prepared by combining the pesticide is combined with the carrier carbon black to form a bound friable mix and adding the bound friable mix is added to the polymeric matrix, the carrier comprising carbon black.~~

44. (Currently Amended) The barrier film of claim 5 20, wherein the ~~sixth layer includes at least one pesticide is mixed with at least one fungicide.~~

Claims 45-76 (Cancelled)